

TYPE G COUPLING MISALIGNMENT AND END FLOAT – INCHES

For optimum performance, always align couplings within the "installation" angular and parallel misalignment limits (or combinations of both), listed in Tables 1 and 2. Maximum life and minimum maintenance for the coupling and connected machinery will result if couplings are accurately aligned. Coupling life expectancy between initial alignment and maximum operating limits is a function of load, speed and lubrication. For applications requiring greater misalignment, refer application details to the Factory.

Values stated in Tables 1 and 2 are based upon the use of the GAPS listed, standard coupling components and standard assemblies with no hubs reversed.

Angular Misalignment is Dimension A minus B as illustrated below.

Parallel Misalignment is distance P between the hub center lines as illustrated.

End Float (With zero angular and parallel misalignment) is the axial movement of the hub(s) within the sleeve(s) as illustrated in Tables 1 and 2. Refer to Manual 458-820 for limited end float instructions.

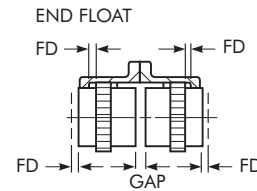
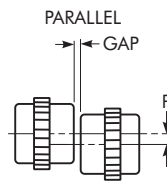
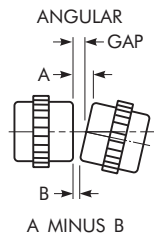


TABLE 1 — Misalignment & End Float – Double Engagement Couplings

SIZE	Angular Misalignment Limits						Parallel Misalignment Limits						End Float		
	Installation		Operating ♦		Static ♦		Installation		Operating ♦		Static ♦		Std FD (Min)	Normal Gap +/-10%	Physical Limit (Min) (2) FD + Gap
	A Minus B Inches	Degrees Per Mesh	A Minus B Inches	Degrees Per Mesh	A Minus B Inches	Degrees Per Mesh	P Inches	Degrees Per Mesh	P Inches	Degrees Per Mesh	P Inches	Degrees Per Mesh			
1080/2080	.032	1/16°	.190	3/8°	.380	3/4°	.016	1/16°	.097	3/8°	.193	3/4°	.170	.375	.715
1090/2090	.036	1/16°	.216	3/8°	.432	3/4°	.017	1/16°	.104	3/8°	.206	3/4°	.248	.500	.996
1100/2100	.040	1/16°	.242	3/8°	.484	3/4°	.019	1/16°	.117	3/8°	.234	3/4°	.248	.500	.996
1110/2110	.045	1/16°	.268	3/8°	.537	3/4°	.022	1/16°	.130	3/8°	.259	3/4°	.248	.500	.996
1120/2120	.049	1/16°	.295	3/8°	.590	3/4°	.023	1/16°	.138	3/8°	.277	3/4°	.248	.500	.996
1130/2130	.052	1/16°	.314	3/8°	.628	3/4°	.024	1/16°	.142	3/8°	.285	3/4°	.345	.750	1.440
1140/2140	.057	1/16°	.340	3/8°	.681	3/4°	.025	1/16°	.150	3/8°	.299	3/4°	.345	.750	1.440
1150/2150	.061	1/16°	.367	3/8°	.733	3/4°	.027	1/16°	.164	3/8°	.328	3/4°	.345	.750	1.440
1160/2160	.063	1/16°	.380	3/8°	.759	3/4°	.028	1/16°	.166	3/8°	.331	3/4°	.460	1.000	1.920
1180/2180	.072	1/16°	.432	3/8°	.864	3/4°	.029	1/16°	.172	3/8°	.344	3/4°	.460	1.000	1.920
1200/2200	.080	1/16°	.478	3/8°	.956	3/4°	.035	1/16°	.208	3/8°	.416	3/4°	.460	1.000	1.920
1220/2220	.087	1/16°	.524	3/8°	1.047	3/4°	.039	1/16°	.231	3/8°	.462	3/4°	.460	1.000	1.920
1240/2240	.097	1/16°	.582	3/8°	1.165	3/4°	.042	1/16°	.252	3/8°	.504	3/4°	.460	1.000	1.920
1260/2260	.106	1/16°	.635	3/8°	1.278	3/4°	.046	1/16°	.273	3/8°	.547	3/4°	.460	1.000	1.920
1280/2280	.115	1/16°	.687	3/8°	1.374	3/4°	.047	1/16°	.281	3/8°	.563	3/4°	.460	1.000	1.920
1300/2300	.123	1/16°	.740	3/8°	1.479	3/4°	.048	1/16°	.290	3/8°	.579	3/4°	.460	1.000	1.920

♦ These maximum operating alignment limits are each based on 3/8° per flex half coupling. Combined values of parallel and angular misalignment should not exceed 3/8°. Type GL slide couplings are limited to 1/4° per flex half. Application requirements in excess of these values should be referred to the Factory for review.

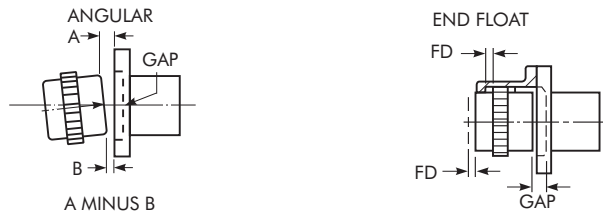


TABLE 2 — Misalignment & End Float – Single Engagement Couplings

SIZE	Angular Misalignment Limits *						End Float			
	Installation		Operating		Static		Std FD (Min)	Normal Shaft Gap	Normal Face Gap (X)	Physical Limit (Min) FD + Gap
	A Minus B Inches	Degrees Per Mesh	A Minus B Inches	Degrees Per Mesh	A Minus B Inches	Degrees Per Mesh				
1080/2080	.032	1/8 °	.095	3/8°	.190	3/4°	.180	.500	.180	.680
1090/2090	.036	1/8 °	.108	3/8°	.216	3/4°	.258	.562	.242	.820
1100/2100	.040	1/8 °	.121	3/8°	.242	3/4°	.255	.625	.245	.880
1110/2110	.045	1/8 °	.134	3/8°	.268	3/4°	.255	.625	.245	.880
1120/2120	.049	1/8 °	.147	3/8°	.295	3/4°	.255	.625	.245	.880
1130/2130	.052	1/8 °	.157	3/8°	.314	3/4°	.340	.750	.370	1.090
1140/2140	.057	1/8 °	.170	3/8°	.340	3/4°	.340	.750	.370	1.090
1150/2150	.061	1/8 °	.183	3/8°	.367	3/4°	.340	.750	.370	1.090
1160/2160	.063	1/8 °	.190	3/8°	.380	3/4°	.450	1.000	.500	1.450
1180/2180	.072	1/8 °	.216	3/8°	.432	3/4°	.450	1.000	.500	1.450
1200/2200	.080	1/8 °	.239	3/8°	.478	3/4°	.450	1.000	.500	1.450
1220/2220	.087	1/8 °	.262	3/8°	.524	3/4°	.450	1.125	.500	1.575
1240/2240	.097	1/8 °	.291	3/8°	.582	3/4°	.450	1.125	.500	1.575
1260/2260	.106	1/8 °	.317	3/8°	.635	3/4°	.450	1.125	.500	1.575
1280/2280	.115	1/8 °	.344	3/8°	.687	3/4°	.445	1.125	.505	1.575
1300/2300	.123	1/8 °	.370	3/8°	.740	3/4°	.445	1.125	.505	1.575

* Do not use single engagement couplings to compensate for parallel offset misalignment.